

BOCHKOV, A.P.

Effect of plowed surfaces and specific local features of minor
drainage basins on runoff in northern Kazakhstan. Trudy GGI
no.68:50-85 '59. (MIRA 13:4)
(Kazakhstan--Runoff)

BOCHKOV, A.P.

Influence of agrotechnical and forest reclamation measures on the streamflow of forest-steppe and steppe regions. Trudy GGI no.127:10-81 '65.

Making the calculation of mean annual precipitation more exact. Ibid.:174-187
(MIRA 18:9)

URTYAN, L. I.; SHCHERBA, A. P.; GOLUBEV, V. S.; SYROV, N. A.; KRESTOVSKIY, O. I.

Basic shortcomings of methods of observations on snow cover and precipitation and suggestions of the State Hydrologic Institute for their improvement. Trudy GGO no.175:31-58 '65.

(MIRA 18:8)

1. Gosudarstvennyy gidrologicheskii institut.

BOCHKOV, B. F., Cand Tech Sci -- (diss) "Elastic-plastic bending of ship bodies." Gor'kiy, 1960. 23 pp with charts; (Ministry of Higher and Secondary Specialist Education RSFSR, Gor'kiy Polytechnic Institute A. A. Zhdanov); 200 copies; price not given; (KL, 23-60, 123)

BOCHKOV, B.F., kand. tekhn. nauk, dotsent

Stress limits for rectangular ship frames. Trudy GPI 17 no.5:
7-13 '61. (MIRA 16:6)

(Hulls (Naval architecture))
(Strains and stresses)

BELOZEROV, A.I., kand. tekhn. nauk; BOCHKOV, B.F., kand. tekhn. nauk,
dotsent

New method of protecting wire transducers and lead wires from
the effects of water at high pressure. Trudy GPI 17 no.5:5-6
'61. (MIRA 16:6)

(Electricity on ships—Safety measures)
(Protective coatings)

ZVIAGIN, Aleksandr Dmitriyevich; SHABAROV, Vladimir Vasil'yevich;
KRUPITSKIY, E.Z., inzh., retsenzent; CHUVIKOVSKIY, G.S., inzh.
retsenzent; BOCHKOV, B.F., kand. tekhn. nauk, nauchn. red.;
VLASOVA, Z.V., red.

[Testing the strength and vibrations of ships on underwater
wings] Ispytaniia prochnosti i vibratsii sudov na podvod-
nykh kryl'iaxh. Leningrad, Sudostroenie, 1965. 211 p.
(MIRA 18:11)

SOV/130-58-11-5/16

AUTHORS: Usyskina, S.L., Riskina, A.P. and Bochkov, D.A.

TITLE: New Hydraulic-Seal Sleeves for Sinter-Strands (Novyye rukava dlya gidrouplotneniya aglomashin)

PERIODICAL: Metallurg, 1958, Nr 11, p 12 (USSR)

ABSTRACT: Tests at the sinter plants of the Nizhne-Tagil'skiy and Magnitogorskiy combines of a new type of hydraulic seal developed by the Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Rubber Industry Scientific Research Institute) showed the superiority of the new over the present types. The sleeves were made at the Leningradskiy zavod rezino-tekhnicheskikh izdeliy (Leningrad Technical Rubber Goods Works) for the Indian steelworks. The authors suggest that the new type should be generally adopted.

ASSOCIATION: Rubber industry scientific research institute (Institute rezinovoy promyshlennosti)

Card 1/1

L 15602-66 EWP(e)/EWP(m)/EWP(t)/EWP(k)/EWP(z)/EWP(b) JD
 ACC NR: AP6002869 SOURCE CODE: UR/0286/65/000/024/0030/0030

INVENTOR: Voyarshtinov, V. A.; Okorokov, G. M.; Polyakov, A. I.;
Nikulin, A. A.; Bochkov, D. A.

ORG: none

TITLE: A method of heating a liquid-metal bath. Class 18, No. 176935.
 [announced by the Central Scientific Research Institute of Ferrous
 Metallurgy im. I. P. Bardina (Tsentral'nyy nauchno-issledovatel'skiy
 institut chernoy metallurgii)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 30

TOPIC TAGS: metal, metal melting, vacuum melting, arc melting,
 magnetically controlled arc

ABSTRACT: This Author Certificate introduces a method of heating a
 metal bath in a vacuum arc furnace. In order to obtain an improved
 crystal structure in the ingot, the electric arc is moved on the
 surface of the bath under the effect of differently oriented alter-
 nating magnetic fields.

[WW]

SUB CODE: 11/ SUBM DATE: 29Jul63/ ATD PRESS: 4/86

vacuum melting 16,44,56

Cord 1/1

UDC: 669.187.26

1 16595-66 EWT(1)/EWT(m)/ENP(t) JD

ACC NR: AR5008998

UR/0137/35/000/000/0015/0012

AUTHOR: Volokhonskiy, L.A.; Yakobinets, A.B.; Bochkov, D.A.

39

8

ORG: none

CITED SOURCE: *E/ekTroTermiya Nauchno-Tekhn. Sb, 1964, Nr 37, p 26-28*
21.44.55

TITLE: Power distribution of an arc discharge in a vacuum

SOURCE: Ref. zh. Metallurgiya, Abs. 2B86

TOPIC TAGS: arc furnace, smelting furnace, vacuum arc, arc discharge

ABSTRACT: The approximate stability of an arc power distribution in a vacuum was experimentally proved. In determining the power parameters for electric smelting furnaces, it is recommended to accept the Stokes' coefficient for power distribution in a cathode as equalling 0.48. The expediency of using solenoid for the elimination of leakage points and for possibly obtaining additional power on the tank mirror was proved experimentally.

SUB CODE: 09,13/

SUBM DATE: 00

Card 1/1 nst

UDC: 669.187.046.5.621.365

2

L 46001-66 EWT(m)/EWP(k)/EWP(t)/ETI JD

ACC NR: AR6028427

SOURCE CODE: UR/0137/66/000/005/V041/V041

AUTHOR: Bochkov, D. A. ; Volokhonskiy, L. A. ; Nikol'skiy, L. Ye. 25-
B

TITLE: Simplified method for calculating the parameters of vacuum arc
furnaces for melting rectangular ingots

SOURCE: Ref. zh. Metallurgiya, Abs. 5V261

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 48, 1965, 19-22

TOPIC TAGS: vacuum arc furnace, ingot, round ingot, energy parameter

ABSTRACT: A simplified procedure has been developed at the All-Union Scientific Research Institute of Electrothermal Equipment (VNIETO) for calculating the power energy parameters of vacuum arc furnaces for round ingots. The method, which is based on the distribution constant of arc power between the cathode and anode, allows computation of arc power without compiling the heat balance of the ingot. D. Kashayeva. [Translation of abstract] [NT]

SUB CODE: 13/

Card 1/1 ULR

UDC: 669.187.2:621.365.22-982.001.5

ACC NR: AR6027498

SOURCE CODE: UR/0137/66/000/004/V051/V051

AUTHOR: Nikulin, A. A.; Bochkov, D. A.; Filimonova, M. A.; Artem'yev, V. D.;
Volokhonskiy, L. A.

TITLE: Experimental study of ingot heat balance during the remelting of a consumable electrode

SOURCE: Ref. zh. Metallurgiya, Abs. 4V348

REF SOURCE: Elektrotermiya. Nauchn-tekhn. sb., vyp. 47, 1965, 42-43

TOPIC TAGS: vacuum arc furnace, heat balance

TRANSLATION: A special crystallizer with graded walls was constructed for the experiment. It was established that the heat transfer rate through the bottom plate in a vacuum arc furnace was $0.42 \cdot 10^6$ kcal/m²·hr when the bottom of the crystallizer was covered with a plate. In the contact zone of the ingot, the heating rate on the walls of the crystallizer was about $(0.3-0.8) \cdot 10^6$ kcal/m²·hr. During steady arc burning, the heating rate on the crystallizer walls above the level of the metal was about $(0.4-0.6) \cdot 10^6$ kcal/m²·hr. Above the flux surface (during cycle without arcing), the heat transfer rate did not exceed $0.2 \cdot 10^6$ kcal/m²·hr. In the stable regime, heat output to the crystallizer walls was produced by means of an ordinary water cooling system with water flow in the crystallizer. For a water velocity greater than 1 m/sec, a

UDC: 669:621.365.22-982.001.5

Card 1/2

ACC NR: AR6027498

cooling convection cycle can be produced without the danger of the heavy precipitation of hard salt. The specific heat transfer rate can be decreased somewhat by using lower water velocities, as well as by increasing the crystallizer wall thickness. 4 figures, 1 table.

SUB CODE: 11,13

Card 2/2

L 27690-66 EWI(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6004305

SOURCE CODE: UR/0276/65/000/009/G009/G009

AUTHOR: Volokhonakiy, L. A.; Nikulin, A. A.; Bochkov, D. A.; Bortnichuk, N. I. 74 B

TITLE: Study of melting hydrodynamics in a vacuum arc furnace by the stimulating method 16

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9G75

REF SOURCE: Tr. Vses. n.-i. in-ta elektrotekhn. oborud., vyp. 1, 1965, 66-77

TOPIC TAGS: vacuum arc furnace, vacuum melting, hydrodynamics, molten metal, magnetic field, solenoid

ABSTRACT: The distribution of a current in the molten metal of a vacuum arc furnace is studied, and the forces responsible for the metal rotation; the vertical magnetic field of solenoid and the horizontal component of the arc current. The measurement of hydrodynamic pressures on the molten metal model permitted determination of their distribution along the bath diameter and depth and determination of the melt rotation rate. The most effective stirring of metal is observed in the zone of the anodic spot. Some redistribution of pressures and rates of rotation due to friction forces takes place. As far as the intensity of mixing in presence of a solenoid is concerned, the best effect is obtained when the current cable is attached to the upper edge of the crystallizer, in which case the horizontal component of the current has the highest magnitude. In melting steel tending to ghost, it is advisable to use

Cord 1/2

UDC: 66.047.2: 621.365.2.001.5

L 27690-66

ACC NR: AR6004305

a bifilar cable with an attachment to the upper flange of the crystallizer. In this case, in the absence of a solenoid there is no rotation of the metal. It is possible to use a solenoid on a steel crystallizer. In designing them correction for the screening effect, which is determined by modeling, should be made. O. Prove

SUB CODE: 11/ SUBM DATE: none

Card 2/2

L 04678-67 EWT(E)/T/EWF(E)/TTL/EWF(E) IJP(C) SD

ACC NR: AR6020939

SOURCE CODE: UR/0137/66/000/002/V061/V061

AUTHOR: Shcherbakov, A. I.; Nikulin, A. A.; Okorokov, G. N.; Bochkov, D. A.;
Boyarshinov, V. A.; Volokhonskiy, L. A.; Polyakov, A. I.

TITLE: The effect of the electric power parameters on a vacuum arc furnace on ingot crystallization conditions

SOURCE: Ref. zh. Metallurg, Abs. 2V396

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 45, 1965, 34-37

TOPIC TAGS: vacuum arc furnace, alternating magnetic field, constant magnetic field

TRANSLATION: An investigation was made of the effect of electric parameters of a vacuum arc furnace on crystallization conditions of an ingot, as well as the possibility of influencing the crystallization process with the use of constant and alternating magnetic fields. An analytic and experimental correlation between these parameters and the crystallization of an ingot was determined. The relative depth h/D of a liquid wall was equivalent for molds of different dimensions by maintaining the equality $I/D = \text{constant}$. The value I/D suitable for a metal with a small 2-phase region extension may serve as the criterion for selection of the electrical melting cycle. For a metal with an extended 2-phase region it is necessary to decrease the ingot diameter and to decrease the operating current as much as possible in order to prevent segrega-

Card 1/2

UDC: 621.365.22-982.001.5

L 44678-67

ACC NR: AR6020939

tion defects. The use of an alternating magnetic field prevents structural defects, characteristic of ingots melted in a constant magnetic field, and is a promising method for arc stabilization during vacuum arc melting. 3 figures. G. Lyubimova.

SUB CODE: .13 20

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Card 2/2

15.2200

~~15(2)~~
AUTHOR:

Bochkov, F. B.

67707

S/131/60/000/01/012/017
B015/B001

TITLE: Investigation of the Properties of Protective Terminals for Thermocouples

PERIODICAL: Ogneupory, 1960, Nr 1, pp 39 - 41 (USSR)

ABSTRACT: In this paper, the author describes the investigation of the properties and the selection of protective tubes which guarantee the measurement of the temperature of molten bronze and brass in the course of the campaign of an induction furnace (30 days on an average). The experiments were carried out by the brigade KB TsMA under the supervision of the authors in cooperation with officials of the VNIITS and TsNIChM. Terminals of metallic oxides and cermets were investigated. The terminals had been produced by means of the drawing and hydrostatic pressing method. The pressed terminals of titanium carbide and 20% cobalt met the requirements, contrary to the ceramic and drawn terminals. The experimental results are shown in table 1. A low-resistance potentiometer type PPTN-1 and a galvanometer type GZS-47 were used for the experiments. Table 2 shows the errors of temperature measure-

Card 1/2

** also received F. V.*

Investigation of the Properties of Protective
Terminals for Thermocouples

67707

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B015/B001

ment by means of thermocouples with different protective tubes. Experiments showed that a platinum-rhodium platinum thermocouple with protective tubes of molybdenum and titanium carbide with 20% cobalt is suited for measuring the melting temperature of brass and bronze during a furnace campaign by short-time submersion. On account of these experiments, mechanized units for periodic temperature measurements of molten bronze were installed in two induction furnaces of the Kol'chuginskiy zavod im. S. Ordzhonikidze (Kol'chugino Factory imeni S. Ordzhonikidze) in 1958. There are 2 tables. 4

ASSOCIATION: Tavetmetavtomatika (Nonferrous-metal Automation)

Card 2/2

ACC NR: AT7004206

SOURCE CODE: UR/0000/66/000/000/0019/0024

AUTHOR: Bochkov, F. V.

ORG: none

TITLE: Certain new dynamic methods for the temperature determination of molten metals

SOURCE: AN SSSR. Institut metallurgii. Eksperimental'naya tekhnika i metody vysokotemperaturnykh izmereniy (Experimental techniques and methods of high temperature measurement). Moscow, Izd-vo Nauka, 1966, 19-24

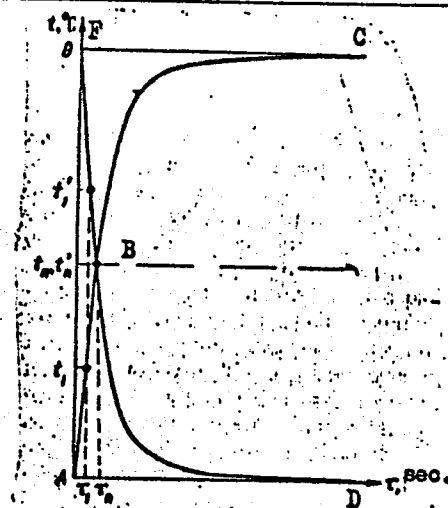
TOPIC TAGS: ~~metal melting, metal~~, temperature instrument, temperature detector, *MOLTEN METAL*

ABSTRACT: A dynamic method for determining temperatures of molten metals is presented. This method is based on the transition state theory of G. M. Kondrat'yev (Regulyarnyy teplovoy rezhim. Gostekhteorizdat, 1954, str. 26). The present description is an extension of an earlier work presented by F. V. Bochkov (Avtorskoye svidetel'stvo No. 141662. Byulleten' izobreteniy, 1961, No. 19, str., 54). Three different methods for treating data obtained on the temperature of molten metals by dynamic immersion are discussed, viz.: method that compensates for the dynamic error in the transducer temperature, method that utilizes the intersection point of the transducer curve and the derivative of the latter, and a method that utilizes the maximum in the reading of two different transducers having different time-lag characteristics. The results of the discussion are illustrated graphically (see Fig. 1). Block diagrams of the measuring

Card 1/2

ACC NR: AT7004206

Fig. 1. Experimental data curve (ABC) and error curve (DEF) of transducer during regulated heating stage



circuits are also presented. It is concluded that the method which utilizes the maximum in the reading of two different transducers for determining temperatures of molten metals is the simplest of the three described above. Orig. art. has: 4 graphs and 8 equations.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002

Card 2/2

BOCHKOV, F.V.

Continuous measurement of temperature of molten nonferrous metals
in connection with automatic control of induction furnaces.

Trudy inst.Kom.stand., ser.1 izm.prib. no.42:53-56 '60.

(MIRA 14:1)

(Thermocouples)

L 7011-66

ACC NR: AP5026799

SOURCE CODE: UR/0286/65/006/017/0079/0079

INVENTOR: Bochkov, F. V.

ORG: none

TITLE: A method for measuring high stationary temperatures. Class 42, No. 174398

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 79

TOPIC TAGS: temperature measurement, electronic measurement, differentiating circuit

ABSTRACT: This Inventor's Certificate introduces a method for measuring high stationary temperatures where a pickup is momentarily submerged into the medium being inspected. Readings are taken and their derivative with respect to time is found for two points in the normal thermal cycle. One of these points is chosen arbitrarily, and the other is the moment when the pickup reading is equal to the derivative at this point. Calculations are then made from a known relationship between the temperature of the medium and the readings which have been taken. Measurement accuracy is increased by taking the readings at points of time when these readings are

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UDC: 536.532.001.3

L 7011-66

ACC NR: AP5026799

equal to the two first derivatives and calculating the temperature of the medium from the following relationship:

$$U_{n_2} = \frac{(R_1 C_1 - R_2 C_2) U_{n_1} U_{n_2}}{U_{n_2} R_1 C_1 - U_{n_1} R_2 C_2}$$

where U_{n_1} and U_{n_2} are the pickup readings at points where they are equal to the first derivatives (the points where their curves intersect), and $R_1 C_1$ and $R_2 C_2$ are the time constants of the differentiator.

SUB CODE: TD,EC,MA/ SUBM DATE: 14Oct63/ ORIG REF: 000/ OTH REF: 000

rw

Cord 2/2

L 7963-66 ETC(m) WW

ACC NR: AP5025729

SOURCE CODE: UR/0286/65/000/018/0081/0081

AUTHOR: Bochkov, F. V.

ORG: none

TITLE: Method for measuring high stationary temperatures. Class 42, No. 174812

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 81

TOPIC TAGS: temperature measurement, temperature detector

ABSTRACT: This Author Certificate presents a method for measuring high stationary temperatures with brief immersion of the detector in the monitored medium. The detector readings are taken at three arbitrarily selected times of the stage of normal heat mode. The calculations are produced according to the known dependence of the temperature of the medium on these readings. To reduce the duration of the measuring process and to lower the warm-up temperature of the detector sensing elements, no less than two detector readings and the difference of the readings are taken at two arbitrary times at the same stage of heating respectively at each time. The calculation of the temperature of the medium is produced according to the following formula:

$$t_c = \frac{\Delta t_1 \cdot t_{n2} - \Delta t_2 \cdot t_{n1}}{\Delta t_1 - \Delta t_2}$$

Card 1/2

UDC: 536.532 001.13

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ACC NR: AP5025729

where Δt_1 and Δt_2 are the differences of the readings of the sensing elements located respectively on the axis of the detector and at a point between the axis of the detector and its heat absorbing surface at the two times. For an alternate method the readings of the two sensing elements are taken at the initial moment of the stage of normal heat mode. The measured temperature of the medium is calculated according to the following formula: $t_c = K t_{n1} - N t_{n2}$ 8

where the coefficients K and N , which are constant for given conditions, are determined in a preliminary experiment according to the relations:

$$K = \frac{t_{n2} - t_{n1}}{\Delta t_2 - \Delta t_1} \text{ and } N = K - 1.$$

Here t_{n1} and t_{n2} are the readings of the sensing element located on the axis of the detector at the two times, and Δt_1 and Δt_2 are the differences of the readings of the two detector sensing elements located respectively on the detector axis and between the axis and its heat absorbing surface. Orig. art. has: 3 equations.

SUB CODE: TD/

SUBM DATE: 25Oct63

BC
Cord 2/2

ACCESSION NR: AR4014746

S/0058/63/000/012/A020/A020

SOURCE: RZh. Fizika, Abs. 12A202

AUTHOR: Tsitovich, A. P.; Bochkov, G. T.; Istomin, D. A.; Sotnikov, S. K.

TITLE: 2048-channel time analyzer

CITED SOURCE: Tr. 5-y Nauchno-tekh. konferentsii po yadern. radioelektronike. T. 2, Ch. 2. M., Gosatomizdat, 1963, 72-95

TOPIC TAGS: analyzer, time analyzer, 2048 channel analyzer, drum memory analyzer, multichannel time analyzer, nuclear instrumentation

TRANSLATION: A 2048-channel time analyzer with magnetic drum memory is described. The magnetic drum is superior to other memory devices in that it uses fewer control elements. However, the magnetic drum is a relatively "slow" memory unit. In this connection, the mag-

Card 1/2

ACCESSION NR: AR4014746

netic drum is used only to store the total information coming from the input unit of the intermediate memory. To this end, an electrostatic storage-tube memory is used, which has a much larger capacity compared with other systems. The analyzer employs a new method of matching the intermediate and main memory units. The advantages and shortcomings of such an analyzer are analyzed in detail. The question of further increase in the number of channels in a time analyzer of this type is discussed. L. S.

DATE ACQ: 24Jan64

SUB CODE: PH, SD

ENCL: 00

Cord, 2/2

L 35373-66 EWT(d)/EWP(1) IJP(c) DB/GG

ACC NR: AR6017789

SOURCE CODE: UR/0058/66/000/001/A043/A043

AUTHOR: Bochkov, G. T.; Istomin, D. A.; Tsitovich, A. P.

TITLE: Parallel static memory device for 2048-channel magnetic-drum analyzer

SOURCE: Ref. zh. Fizika, Abs. 1A392 160

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelektron. T. 2. M., Atomizdat, 1965, 85-92

TOPIC TAGS: time measurement, magnetic drum, pulse amplitude, computer logic, logic circuit, multichannel analyzer, data readout, computer circuit

ABSTRACT: The proposed device is intended for time and time-amplitude measurements. The 2048 channels are "disposed" over the generatrix of the drum. The construction is described of a magnetic drum with thirteen double heads, which ensures a channel capacity $2^{13} = 8192$ pulses and static operating conditions. The control circuit generates the principal series of timing pulses: gating, phasing, recording, and clearing. The logic circuit is based on a binary scaling circuit which performs the functions of a parallel register and an adder. The construction ensures readout of information in analog form on the screen of a monitor tube, in analog form in the form of a curve traced by an automatic recorder, and binary form on punched cards, and in decimal form on a chart. [Translation of abstract]

SUB CODE: 09, 20

Card 1/1

BOCHKOV, I.

Engineer Major.

Wrote on High Voltage Transmission Line from Krivorozh'ye to Vodestroy; built by MPVO Unit; supply of Krivorozh'ye and its industrial enterprises with water
Voroshilovgradskaya O., Ukrainskaya SSR

Soviet Source; P; Za Oboronu (for defense)
#10 Moskva August 1945

BOCHKOV, I.P.

Eliminate lack of personal responsibility in servicing automatic train stop devices. Avtom., telem. i svyaz' 7 no.2:44 F''63. (MIRA 16:3)

1. Starshiy elektromekhanik kontrol'no-ispytatel'nogo punkta Tartuskoy distantzii signalizatsii i svyazi Estonskoy dorogi.
(Railroads—Automatic train control)

BOCHKOV, I.P.

Simple network of a railroad yard intercommunication system.
Avtom., telem. i sviaz. 9 no.1:38 Ja '65. (MIRA 18:2)

1. Stantsionnyy elektromekhanik Tartuskoy distantssi Pribaltiyskoy
dorogi.

BOCHKOV, I.S., inzh.

Methods for determining the degree of applicability of the manufacture
of turbines. Energomashinostroenie 10 no.8:29-30 Ag '64. (MIRA 17:11)

BOCHKOV, I.S., Inzh.

Determination of the degree of applicability of substituted
components in steam turbine manufacture. Energomashinostroenie
11 no.4:31-32 Ap '65. (MIRA 18:6)

BOCHKOV, M.

Simplify the accounting of enterprises supported by the budget.
Fin.SSSR 19 no.8:75 Ag '58 (MIRA 11:9)

1. Zaveduyushchiy Vyazemskim gorfinotdelom Smolenskoy oblasti.
(Smolensk Province--Accounting)

BOCHKOV, N.

Our reliable friends and assistants. Pozh.delo 5 no.9:3-4
S '59. (MIRA 13:1)
(Moscow--Fire prevention)

BOCHKOV, N.M.

BLIZNYAK, Yevgeniy Varfolomeyevich, zasluzhennyy deyatel' nauki i tekhniki, professor, doktor tekhnicheskikh nauk; BOCHKOV, N.M., inzhener, nauchnyy redaktor; GOLUBENKOVA, L.A., redaktor izdatel'stva; TOKER, A.M., tekhnicheskiy redaktor

[Hydraulic engineering survey] Gidrotekhnicheskie izyskaniia.
Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 267 p.
(Hydraulic engineering) (MIRA 9:11)
(Water resources development)

BOCHKOV, N.P.; TSEYTLIN, P.I.; KHOMAZYUK, V.G.

Reviews. Biofizika 10 no.3:554-556 '65.

(MIRA 18:11)

BOCHKOV, N. P.

BOCHKOV, N.P.; RAYTSINA, S.S.

Effect of diet and sciatic transection on physiological regeneration in the mucous membranes of the small intestine in Triturus cristatus. Biul.eksp.biol.med. 44 no.8:99-101 Ag '57. (MIRA 10:11)

1. Iz laboratorii resta i razvitiya (zav. - prof. L.D.Liozner) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) Akademii meditsinskikh nauk SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR prof. N.N.Zhukovym-Verezhnikovym.

(FOOD, effects,

on small intestinal mucous regen. in Triturus cristatus (Rus))

(NERVES, SCIATIC, physiology,

eff. of section in small intestinal mucous regen. in Triturus cristatus (Rus))

(INTESTINE, SMALL, physiology,

regen. of mucosa in Triturus cristatus, eff. of food & section of sciatic nerve (Rus))

BOCHKOV, N. P.

BOCHKOV, N.P.

Study of physiological regeneration in the small intestine following its partial resection. Biul. eksp. biol. i med. 44 no.9:97-101 S '57.
(MIRA 10:12)

1. Iz laboratorii rosta i razvitiya (zav. - prof. L.D. Liozner)
Instituta eksperimental'noy biologii (dir. - prof. I.N. Maysliy)
AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR
N.N. Zukovym-Verezchnikovym.

(INTESTINE, SMALL, physiology,

regen. after partial resection in rats (Rus))

USSR/Human and Animal Physiology. Digestion. The Intestines.

T-7

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55758.

Author : Bochkov, N.P.

* Inst :

Title : The Effect of an Extensive Resection of the Small Intestine Upon the Physiologic Regeneration of the Intestinal Epithelium in Rats.

Orig Pub: Byul. eksperim. biol. i med., 1957, 44, No 10, 106-109.

Abstract: Almost 50 percent of the middle section of the small intestine (SI) were resected in rats (weighing between 120 and 180 grams). The lower portion of the small intestine (25 percent) was left in the form of a culde-sac, where no food could pass. After 30 days, the rats were killed, and the number of the epithelium mito-

Card : 1/2

* Iz LABORATORII ~~ROSTA I A~~ RAZVITIYA INSTITUTA EKSPERIMENTAL'NOY BIOLOGII AMN SSSR, MOSKVA.

BOCHKOV, N.P., Cand Med Sci -- (diss) "Morpho-physiological
analysis of changes in the small intestine after resection."
Mos, 1958, 14 pp (Acad Med Sci USSR) 200 copies (KL, 50-56, 128)

- 112 -

BOCHKOV, N.P.

Physiomorphological changes in the small intestine in dogs following partial resection [with summary in English]. Biul. eksp. biol. i med. 46 no.10:104-108 0 '58 (MIRA 11:11)

1. Iz laboratorii rosta i razvitiya (sav. - prof. L.D. Liozner) Instituta eksperimental'noy biologii (dir. prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(INTESTINES, SMALL, physiol.

eff. of partial resect. on physio-morphol. in dogs (Rus))

UTKIN, I.A.; BOCHKOV, N.P.

Problems of physiological regenerations; results of a conference
in Sukhumi, Vest. AMN SSSR 14 no.10:64-70 '59. (MIRA 13:6)
(REGENERATION (BIOLOGY))

BOCHKOV, N.P.

Morphological changes in the jejunum and ileum following extensive resection of the small intestine in rat. Biul. eksp. biol. i med. 47 no.3:76-80 Mr '59. (MIRA 12:7)

1. Iz laboratorii ^{gromk}rosta i ^{develop}razvitiya (zav. - prof. L. D. Liozner) Instituta eksperimental'noy biologii (dir. - I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym).

(INTESTINE, SMALL, physiol.

eff. of extensive resection on ileal & jejunal morphol. in rats (Rus))

BOCHKOV, N.P.

Should the exfoliation of the epithelium of the villi be considered as an element of functional morphology of the small intestine or as an artefact? Biul. eksp. biol. i med. 49 no. 5:114-119 My '60.

(MIRA 13:12)

1. Is laboratorii rosta i razvitiya (zav. - prof. L.D. Liozner)
Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy)
AMN SSSR, Moskva. Predstavlena deyatvitel'nym chlenom AMN SSSR
V.N. Chernigovskim.

(INTESTINES)

BOCHKOV, N.P.

Mitotic rate and duration of interkinesis in the intestinal
epithelium of rats and guinea pigs. TSitologiya 2 no.4:396-403
Jl-Ag '60. (MIRA 13:9)

1. Laboratoriya biologii Instituta eksperimental'noy patologii
i terapii AMN SSSR, Sukhumi.
(KARYOKINESIS) (EPITHELIUM)

UTKIN, I.A.; BOCHKOV, N.P.

Conference on problems in physiological regeneration. Arkh.anat.
glat.i embr. 38 no.3:107-113 Mr '60. (MIRA 14'5)
(REGENERATION (BIOLOGY)—CONGRESSES)

32761

S/205/61/001/006/021/022
D243/D305

27.2400 also 2209

AUTHORS: Semenov, L.F., Avdzhian, M.V., Bochkov, N.P., and
Topchiyan, L.N.

TITLE: Cell division and nucleic acid metabolism in the muco-
sa of the small intestine after treating animals with
radio-protective substances

PERIODICAL: Radiobiologiya, v. 1, no. 6, 1961, 953 - 957

TEXT: The authors wished to study the effects of the most effi-
cient radio-protective substances (β -mercaptoethylamine, adrenali-
ne, acetylcholine and combinations of these) on cell division and
nucleic acid metabolism in the mucosa of the small intestine in
normal animals. Data in this field are few and contradictory. Opti-
mally protective doses of the named substances were given to 198
white rats, of 200 - 230 g weight, and 179 guinea-pigs of 300-450 g
weight, of both sexes. The animals were killed 10 - 15 mins., and
1 and 3 hours later. To study nucleic acid metabolism, 16 - 20 mi-
crocuries of ^{32}P in sodium phosphate, in 0.2 - 0.3 ml of aqueous
solution, were given subcutaneously immediately after the protecti-
Card 1/3

Cell division and nucleic acid ...

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ve substances and the animals were killed three hours later. Sections of intestinal mucosa were treated with 10 % trichloroacetic acid and separation of the nucleic fraction and fractionation of DNA was carried out by a modified Schmidt-Tangauzer method. Radio-phosphorus uptake, measured with a -2 (B-2) counting apparatus, indicated the rate of nucleic compound synthesis. In studying cell division, the control and experimental animals were killed at the same time. Mitosis was estimated on fixed and stained diodenal sections, the results being assessed statistically by Fisher-Styudent's method. β -mercaptoethylamine and acetylcholine had no effect on the metabolism of nucleic acids and the DNA fraction. Adrenaline caused marked depression (60 - 88 %) in both animals, as did adrenaline plus acetylcholine (72 - 92 %). 75 rats and 79 guinea-pigs were used for mitosis estimation. β -mercaptoethylamine and acetylcholine caused a transient depression of mitotic activity which developed rapidly (15 mins) and was greater in rats (24 - 31 %). Adrenaline caused a gradual depression in guinea-pigs (28 %) and rats (29 %) maximal in three hours. Adrenaline plus acetylcholine caused rapid, prolonged depression. The actions of acetylcholine were confirmed by supplementary experiments. It seems that acetylcholine

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Cell division and nucleic acid...

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and β -mercaptoethylamine shorten the prophase and metaphase by almost 50 % and thus speed up the mitotic process. Adrenaline only depresses cell division. No correlation could be established between the radioprotective effect of these substances and their effect on nucleic acid metabolism and cell division. There are 5 tables and 11 references: 5 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: C. Van der Meer and D. van Bekkum, Inter. J. Radiat. Biol., 1, 5, 1959; R. Conard, Radiation res., 1, 492, 1954, 1959; J. Maisin, J. Moutschen, J. Novelli and D. Doherty, Radiation res., 11, 3, 453, 1959.

ASSOCIATION: Institut eksperimental'noy patologii i terapii AMN SSSR, Sukhumi (Institute of Experimental Pathology and Therapy, AMS USSR, Sukhumi) X

SUBMITTED: June 22, 1961

Card 3/3

BOCHKOV, N.P.; NEMTSEVA, L.S.

Application of the methods of tissue incubation in vitro to the study of mammalian karyotypes. Tsitologiya 4 no.3:365-367 My-Je '62. (MIRA 16:3)

1. Laboratoriya genetiki Instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi. (CELL NUCLEI) (TISSUE CULTURE)

L 1/882-63 EWT(1)/EWT(m)/BDS/ES(1) AMD/AFFTC/ASD AR/K
 ACCESSION NR: AP3003933 S/0205/63/003/004/0563/0569

AUTHORS: Arsen'yeva, N. A.; Bochkov, N. P.

TITLE: The cytogenetic radiosensitivity¹⁹ of some stages of meiosis in monkeys and mice

SOURCE: Radiobiologiya, V. 3, no. 4, 1963, 563-569

TOPIC TAGS: cytogenetic radiosensitivity, meiosis, gonad, x-irradiation, spermatocyte, chromosome reorganization, spermatogonia

ABSTRACT: In experiments inspired by interest in the genetic risks of ionizing radiation, the gonads of 4-5 year old male monkeys (*Macaca mulatta*) and random-bred mice (ca. 2 months old) were exposed to a single dose of x-irradiation (50 and 100 r), and its effect on the 5 stages of meiosis was studied in testis preparations. Monkeys proved to be 2-2½ times as radiosensitive as mice. First-order spermatocytes of monkeys showed variable sensitivity at various stages of meiosis, being most sensitive in diakinesis-metaphase I. On the average, there were 0.158% chromosome reorganizations per r in prophase in monkeys, as against 0.066% in mice. The greater frequency of chromosome reorganization in the prophase of meiosis in monkeys, as well as the greater sensitivity of type B spermatogonia

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L 17882-63

ACCESSION NR: AP3003933

2

in these animals, indicates that in higher mammals the nuclei of embryonic epithelium are apparently more sensitive than those of mice at all stages of epithelial development. Orig. art. has: 2 figures, 4 tables.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow (Institute of Biophysics, AN SSSR); Institut eksperimental'noy patologii i terapii AMN SSSR, Sukhumi (Institute of experimental pathology and therapy, AMN SSSR)

SUBMITTED: 05Sep62

DATE ACQ: 14Aug63

ENCL: 00

SUB CODE: AS

NO REF SOV: 005

OTHER: 004

Cord 2/2

MIKHLIN, S. Ya.; NESTERIN, M.F.; BOCHKOV, N.P. (Moskva)

Effect of β -acetylpyridine on the enzyme-excretory processes
and morphological picture of the intestine in dogs. Pat. fiziol.
i eksp. terap. 6 no.3:67-68 My-Je'62 (MIRA 17:2)

1. Iz laboratorii fiziologii pishchevareniya (zav. - prof.
G.K.Shlygin) Instituta pitaniya AMN SSSR i Instituta eksperi-
mental'noy patologii i terapii AMN SSSR (direktor - doktor
med. nauk L.A. Lapin).

ARSEN'YEVA, M.A.; BOCHKOV, N.P.

Cytogenetic radiosensitivity of monkeys and mice in some stages of meiosis. Radiobiologiya 3 no.4:563-569 '63.
(MIRA 17:2)

1. Institut biologicheskoy fiziki AN SSSR, Moskva i Institut eksperimental'noy patologii i terapii AMN SSSR, Sukhumi.

BOCHKOV, N.P.; KOSICHENKO, L.P.

Duration of mitosis in the bone marrow cells of monkeys.
TSitologiya 5 no.6:654-655 N-D '63. (MIRA 17:10)

1. Laboratoriya genetiki Instituta eksperimental'noy patologii
i terapii AMN SSSR, Sukhumi.

BOCHKOV, N.P.; ANTOSHCHINA, M.M.; BULANOV, A.G.; SEVAN'KAYEV, A.V.;
KHLESTOVA, R.A.

Frequency of spontaneous nondisjunction of sex chromosomes
in man. Vest. AMN SSSR 20 no.9:37-40 '65.

(MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk i
Rodil'nyy dom No.26, Moskva.

L 14154-66
ACC NR: AP6001315

SOURCE CODE: UR/0248/65/000/009/0037/0040

AUTHOR: Bochkov, N. P.; Antoshchina, M. M.; Bulanov, A. G.; Khlestova, R. A.;
Sevan'kayev, A. V.

ORG: Institute of Medical Radiology, AMN SSSR, Obninsk (Institut meditsinskoy
radiologii AMN SSSR); Maternity Hospital No. 26, Moscow (Rodil'nyy dom No. 26)

TITLE: Frequency of spontaneous noncleavage of sex chromosomes in man

SOURCE: AMN SSSR. Vestnik, no. 9, 1965, 37-40

TOPIC TAGS: human genetics, infant disease

ABSTRACT: An examination was made for the presence of sex chromatin in cells from newly born girls and boys. No anomalies were found in the girls, while four of the boys had sex chromatin, i. e., Klinefelter's syndrome. Reexamination of these four infants 2-6 months later showed a high percentage of cells with sex chromatin. None of the infants' parents had been exposed to ionizing radiation or other injurious factors. Among stillborn infants, 2 of 57 boys and 1 of 46 girls had sex chromosome anomalies. Referring to the frequency of such anomalies in spontaneous abortions

UDC: 576.312.332 : 616-053.1+616.053.1 : 576.312.332

Card 1/2

L 14154-66

ACC NR: AP6001315

reported in the literature, the author suggests that chromosome mutations in man are eliminated at different stages of ontogenesis; the rate of spontaneous noncleavage of chromosomes cannot be accurately determined without examining aborted and still-born infants as well as live-born children. Orig. art. has: 1 figure, 2 tables.

SUB CODE: 06/ SUBM DATE: 05Jun65/ ORIG REF: 009/ OTH REF: 017

Card 2/2

BOCHKOV, N.P.; GLOTOV, N.V.

Seminar on problems of theoretical biology. Med. rad. 10 no.11:
92-94 N '65. (MIRA 19:1)

1. Otdel obshchey radiobiologii i radiatsionnoy genetiki (zav. -
N.V. Timofeyev-Resovskiy) Instituta meditsinskoy radiologii AMN
SSSR, Obninsk.

BOCHKOV, Nikolay Vasil'yevich, professor, doktor ekonomicheskikh nauk;
PERSHIN, P.N., doktor ekonomicheskikh nauk; SNEGIREV, M.A.,
kandidat sel'skokhozyaystvennykh nauk; SHARAPOV, V.P., doktor
istoricheskikh nauk [deceased]; OZEROV, V.N., redaktor; BALLOD,
A.I., tekhnicheskiiy redaktor

[The history of land relationships and the organization of land use]
Istoriia zemel'nykh otnoshenii i zemleustroistva. Pod red. N.V.Boch-
kova. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 247 p. (MLRA 9:8)
(Land tenure) (Agriculture)

BURIKHIN, N.N., doktor ekonom.nauk, otv.red.; BOCHKOV, N.V., prof., red.;
PROKUROV, N.I., prof., red.; KUZNETSOV, G.A., ~~docent~~, red.;
KALASHNIKOVA, V.S., red.; SOKOLOVA, N.N., tekhn.red.

[Lang organization in the sixth five-year plan] Voprosy zemle-
ustroistva v shestoi piatiletke. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1958. 367 p. (MIRA 12:12)
(Agriculture)

Bochkov, N. V.

AUTHOR: None Given

6-58-2-21/21

TITLE: Chronicle (Khronika)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 2, pp. 79-79 (USSR)

ABSTRACT: From January 28 to January 31, 1958 the Regular Scientific Conference on Soil Science, Geodesy and Aerophotogeodesy took place in the MIIZ (Moscow Institute for Soil Science Engineering). 554 representatives from universities, technical institutions, scientific research institutes, and of more than 100 organizations of producing took part. In the plenary meeting the Deputy Director of the MIIZ for Scientific Research Public Instruction N.N. Burikhin, Doctor of Economics, reported on the development of soil science during 40 years of Soviet Rule. Professor N. V. Bochkov reported on the development of socialist soil reporting. S.D. Cheremukhin, Candidate of Economics, reported on qualitative soil reporting and on economical soil classification. Professor A. V. Maslov reported on geodetic operations in landscaping. Instructor G.A. Kuznetsov reported on the soil cultivation in Sovkhozes of recently cultivated regions. In the Section for Geodesy 12 reports

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Chronicle

6-58-2-21/21

were given: M. Ye. Nekhoroshev, Chief Engineer of the All-Union Office for Agricultural Aerial Photography, reported on the tasks of agricultural aerial photography for supplying cartographic material to the authorities for soil science. N. M. Pazel'skiy, Chief Engineer of the Central Agency for Agricultural Aerial Photography, reported on the experiences in the production of photographic maps on the basis of plans from previous years and of transit lines. N. G. Karlova, Engineer from the same office, reported on the representation of the surface relief in the photographic maps according to the particulars of previously made topographic surveys. Professor V. F. Deyneko reported on the terminology and nomenclature of aerial photography. M. Kh. Muzafarov, Candidate of Technical Sciences reported on rules governing the distribution of tilts in aerial photography. Aspirant A. T. Skobelev reported on the electric stereoautograph. Aspirant L. D. Bol'shakova reported on the graphical- analytical phototriangulation with several field routes. Instructor Ye. G. Larchenko reported on the tendencies in the development of computation techniques in the USSR and abroad. Instructor V. P. Ryazanov reported on the

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Chronicle

6-58-2-21/21

computation of the number of equations in non-free triangulation nets. Instructor A. V. Gordeyev reported on the accuracy in the solution of systems of linear equations. V. G. Yemel'yanov, Chief Engineer for Geodesy of the Regional Soil Science Department of the Orel district, reported on instrumental errors of the polar planimeter. Aspirant Yu. G. Batrakov reported on the accuracy in the computation of the volume of excavated material in the sloping of slope-marks. In the Section for Soil Science I. N. Rychkov, Director of the All - Union Authority for Agricultural Aerial Photography, reported on problems of the agricultural interpretation of aerial photographs with simultaneous scientific soil investigation.

1. Geodesics
2. Aerial photography--Performance
3. Soils--Development
4. Mathematics

Card 3/3

3 (4)

AUTHOR: None Given

SOV/6-59-5-24/26

TITLE: Chronicle (Khronika)

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 5, p 76 (USSR)

ABSTRACT: From March 17, to 20, 1959, the regular conference was held at the Moskovskiy institut inzhenerov zemleustroystva (Moscow Institute of Land Survey Engineers). The conference was attended by about 400 representatives of schools, scientific research institutes, and various production organizations. In the plenary assembly, the following papers were read: Professor S. A. Udachin, Corresponding Member of the VASKhNIL (All-Union Academy of Agricultural Sciences imeni V. I. Lenin), "Tasks of Land Survey and Land Survey Science in the Light of the Resolutions of the 21st Party Congress of the CPSS." A. T. Panfilov, Representative of the Ministerstvo sel'skogo khozyaystva SSSR (Ministry of Agriculture of the USSR), "Basic Problems of Land Survey in the USSR." Professor N. V. Bochkov "Problems of Registration and of the Investigation of Soils in the Kolkhoz." In the Land Survey Section, 10 papers were read. - In the Geodetic Section, the following papers were read:

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Chronicle

SOV/6-59-5-24/26

Ye. G. Larchenke, Doctor of Technical Sciences, "On the Approximation Method for the Estimation of the Accuracy of Calculation Results." Yu. V. Kemnits, Candidate of Technical Sciences, "New Patterns for the Solution of Normal Equations" - M. Kh. Muzafarov, Candidate of Technical Sciences, "Employment of the Indications of the Radio Altimeter for the Compilation of Approximately Oriented Photographic Maps." Ya. I. Gebgart, Candidate of Technical Sciences, "Production of Plans by the Aid of a Compiling Device." N. M. Pazel'skiy, Engineer of the Tsentral'noye predpriyatiye sel'khozaeros'yemki (Central Establishment for Agricultural Aerial Photography), "Experience Gained in the Production of Plans of a Mountainous Terrain for Agricultural Purposes, With the Employment of Topographical Maps." - Ya. I. Yurovskiy, Candidate of Technical Sciences, and Post-Graduate Student K. A. Zykov "On the Application of the Radio-geodetic System of the TsNIIGAiK (Central Scientific Research Institute of Geodesy, Aerial Survey and Cartography) to Aerial Photography." - Headmaster F. M. Yanshev "Chances of the Use of a Leveling Instrument With a Self-adjusting Line of Sight in Geodetic Work for Agriculture."

Card 2/2

SOV/122-59-5-8/32

AUTHORS: Bochkov, S.G., Engineer and Levin, S.Ye., Engineer

TITLE: Increasing the Output and Service Reliability of the Oil Pump for D100 Type Engines (Povysheniye proizvoditel'nosti i ekspluatatsionnoy nadezhnosti maslyanogo nasosa dvigateley tipa D100)

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 5, pp 32-33 (USSR)

ABSTRACT: The earlier type of gear pump for the 2000 hp D100 engine is illustrated (Fig 1) and described. It features double helical gears, has a delivery of 72 m³/hr at 1510 rpm against a pressure of 4.3 kg/cm² and works against a suction head of up to 250 mm mercury column. Design modifications are listed by which the delivery was raised to 95 m³/hr against a pressure of 5.5 kg/cm² and the previously experienced failure of the self-aligning ball bearing was eliminated. The gear size was increased. Roller bearings with a higher rating were substituted. The end plates were made of anti-friction cast iron. The reduction valve was improved. The pump body was made of cast iron instead of bronze. The peripheral speed of the gears

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SOV/122-59-5-8/32

Increasing the Output and Service Reliability of the Oil Pump
for D100 Type Engines

was increased. The axial clearances between the
gears and the housings were increased. These
modifications have proved satisfactory in service.
There are 3 figures.

Card 2/2

BOCHKOV, S.S.; MOKEYEV, K.Ya., kandidat tekhnicheskikh nauk

A book on establishing norms for the weaving process ("Setting up norms for the weaving process." F.M.Rozanov, P.V.Vlasov. Reviewed by S.S.Bochkov, K.IA.Moksev). Tekst.prom.15 no.8:54-55 Ag'55.
(MLRA 8:11)

1. Starshiy inzhener Tekhnicheskogo upravleniya Ministerstva promyshlennykh tovarov shirokogo potrebleniya SSSR
(Weaving) (Rozanov, F.M.) (Vlasov, P.V.)

BOCHKOV, S.S.

A good textbook on weaving ("Design and operation of an AT-100 automatic loom" V.A. Gordeev. Reviewed by S.S. Bochkov). Tekst. prom. 16 no.6:67 Je '56. (MLRA 9:8)
(Looms) (Gordeev, V.A.)

BOCHKOV, S.S., inzhener.

~~new~~ New high-production looms. Izobr. v SSSR 2 no.3:19-23 Mr '57.
(MLRA 10:3)

(Looms)

BOCHKOV, V.

"The organization of collective farm finances". Fin.SSSR 16
no.12:83-85 D '55. (MLRA 9:2)
(Collective farms--Finance)

BOCHKOV, V.

Strengthen the money economy of collective farms. Den.1 kred. 14
no.5:20-24 My '56. (MLRA 9:8)

(Collective farms--Finance)

~~BOCHKOV, V.~~ KOZLOVSKIY, M.

Priming pumps used in fuel systems of the MAZ and IAAZ motortrucks.
Avt. transp. 36 no.11:25-26 N '58. (MIRA 11:11)

- . 1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.
(Motortrucks--Fuel systems)

BOCHEOV, V.

Development of currency circulation in the village. Den. 1
kred. 17 no. 9:9-12 S '59. (MIRA 12:12)
(Collective farms--Finance)

BOCHKOV, V.; RUBETS, D.

Fuel equipment of the IAMZ-236 engines. Avt. transp. 41 no.5:
37-40 My '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.
(Motortrucks--Fuel systems)

RUBETS, D., kand. tekhn. nauk; BOCHKOV, V., inzh.

Maintenance of the fuel system of IAMZ-236 engines. Avt.
transp. 41 no.6:24-26 Je '63. (MIRA 16:8)

BOCHKOV, V.I.; BRIGADIRENKO, V.G.; BRUN-TSEKHOVOY, A.R.; GOLOSOV, S.A.;
ISTOMIN, A.P.; KATSOBASHVILI, Ya.R.; LASKOVENKO, E.K.; MIGUR, V.V.

Auger flowmeter for loose materials. Mash. i nef. obor.
no.7:33-35 '65. (MIRA 18:12)

1. Kombinat No.16, g. Angarsk.

KOZLOVSKIY, Mikhail Timofeyevich; BOCHKOV, Viktor Maksimovich;
GRUNBERG, P.I., red.

[IaMZ diesel engines; their design and operation] Di-
ze.'nye dvigateli IaMZ; konstruktسيا i obsluzhivanie.
Moskva, Transport, 1964. 134 p. (MIRA 17:11)

YAKIMENKO, Petr Ivanovich; BOCHKOV, Viktor Mikhaylovich; AKSELEKHOV,
I.S., red.

[Construction of br... Intellektiv Mostov. Moskva,
Transport, 1964. 285 p. (MIRA 17:8)

L 65095-65 ETC(R) WW

ACCESSION NR: AR5019280

UR/0277/65/000/007/0041/0041
621.862.7.001.5

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktssi i raschet bol'evykh mashin
Gidroprivod. Otdel'nyy vypusk, Abs. 7.48.309

AUTHOR: Bochkov, V. S.

TITLE: A theoretical and experimental study of axial rigidity in deep-groove ball bearings

CITED SOURCE: Tr. Vses. n.-i. konstrukt.-tekhnol. in-ta podshionik prom-sti no. 2
(38), 1964, 80-88

TOPIC TAGS: ball bearing rigidity, deep groove bearing, ring slip calculation, formula
error factor

TRANSLATION: The report discusses calculation formulas for defining ring slip and their
error factor relative to a more accurate solution obtainable by the method of the
dependence of slip on loads and on the contact angle, as well as on the
force acting on the ball. Experimental and calculated results are compared.
The author illustrates with diagrams and formulas discussed. Bibl. with 4 titles, 3 illustrations

Card 1/2

L-65095-65

ACCESSION NR: AR5019280

SUB CODE: ME, IE

ENCL: 00

Card

L 25464-66 EWP(k)/EWT(d)/EWT(m)/T/EWP(l)/EWP(v)/EWP(t)/EWP(h) IJP(c) JD/HM
ACC NR: AP6011214 SOURCE CODE: UR/0413/66/000/006/0052/0052

INVENTOR: Kuz'min, G. M.; Yekimov, V. V.; Bochkov, V. S.

ORG: none

TITLE: A device for capacitor resistance welding. Class 21, No. 179854

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 52

TOPIC TAGS: silicon controlled rectifier, resistance welding, welding equipment

ABSTRACT: This Author's Certificate introduces a device for capacitor resistance welding. The unit contains a welding transformer, capacitor bank, charging transformer, control circuit supply transformer, rectifiers, overload diodes and master switch. Operating reliability and welding quality are improved by using silicon controlled rectifiers connected in circuits for charging and discharging the capacitor bank.

SUB CODE: 09, 13/ SUBM DATE: 21Oct64

Welding machine

UDC: 621.791.762.1.037

Card 1/1

BOCHKOV, V.Ye.

Pioneer of Russian electrical engineering; on the occasion of the 160th birthday anniversary of E.Kh. Lents, Elektrichestvo no.7:66-67 JI '64.
(MIRA 17:11)

BOCHNEV, V. Ye.

27036

Ekonomicheskaya effektivnost' primeneniya transformatorov toka. Tekstil.
Prom-st'. 1949. No. 8. S. 44-45

SO: LETOPIS' NO. 34

BOCHKOV, V.YE., Inzh.

KO

O parametrakh pervoy elektropredachi M.O. Dolivo-dobrovol'skogo
Elektrichestvo, no. 1, 1952. G. Ivanovo

BOCHKOV, V.Ye.

Simple method for determining the power factor of asynchronous motors.

Prom. energ. 20 no.5:32 My '65.

(MIRA 18:7)

BOCHKOV, V.Ye., inzh.

Protection of electric motors from phase drops. Energ. i elektrotekh. prom. no.4:43 O-D '65.

Simple method for determining the power factor of induction motors. Ibid.:44 (MIRA 19:1)

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